

**From:**  
**Sent:** Tuesday, July 16, 2002 9:12 AM  
**To:**  
**Subject:** FW: Fw: Your information on lung disease rates

Late asbestos comment

-----Original Message-----

**From:** !  
**Sent:** Tuesday, July 16, 2002 8:26 AM  
**To:**  
**Subject:** FW: Fw: Your information on lung disease rates

RECEIVED  
 7/10/02  
 MSHA/OSRV

public comment

-----Original Message-----

**From:** Gordon Rosier [mailto:fifisdads@msn.com]  
**Sent:** Wednesday, July 10, 2002 11:30 PM  
**To:** Snyder-Katharine@MSHA.gov; MSHA  
**Subject:** Re: **Fw:** Your information on lung disease rates

Kathy:

Calculating the 20 times asbestos **death** rate factor for Sun City, Arizona 85351 as requested by Phuc Phan, Economist OSRV - 20 greater death from asbestosis at 85351 than the national average.

The American Lung Association of Maine published Table AVI.3a (available on the Internet) showing asbestosis death rates by state for 1987-1996; Arizona was shown as 1.66 deaths/year/million persons. For all of Arizona, there were 5.13 million people in 2000 so one would expect  $1.66 \times 5.13 = 8.5$  deaths statewide; in Maricopa County there were 3.25 million people so one would expect  $3.25 \times 1.66 = 5.4$  deaths (these were close to the numbers reported by the Arizona Department of Health Services for 2000, 10 & 5 respectively - see data table below).

The following data were supplied by the Arizona Department of Health Services:

ZIP Codes in Maricopa County Having a Death from Asbestosis (If more than one death was reported by that ZIP Code, the number follows in parenthesis. The total number of deaths from asbestosis for the entire state of Arizona are also shown.)

Maricopa County ZIP Codes That Total Maricopa Total AZ  
 Year Reported Asbestosis Deaths County Deaths Deaths

1992 85044, 85204	2	5	
1993 85008, 85020, 85028	3		5
1994 85205	1	1	
1995 85003, 85248	2	3	
1996 85008, 85205, 85226	3		4
1997 85032, 85226, 85283	3		7
1998 85268, 85351 (2 in 85351)	3		5

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1999 85021, 85206	2	7	
2000 85006, 85201, 85204, 85226, 85351	5	10	

ZIP Code 85351 contained 31,000 people in 1990 (or 0.031 million). The predicted number of deaths from asbestosis for the three year period of 1998-2000 would be about  $1.66 \times 0.031 \times 3 = 0.15$  or about a one-in-seven chance of a single death; there actually were three deaths in this three year period! This is about TWENTY times the number of expected deaths for this ZIP Code (3 divided by 0.15 = 20)!

ZIP Code 85226 contained **Jess** than 18,000 people in 1990 (the last year that I could find population by ZIP code data for) and has experienced three deaths in the last five years. This is also about twenty times the expected number of deaths. The predicted number would be  $1.66 \times 0.018 \times 5 = 0.15$  **and**  $3/0.15 = 20$ .

Gordon W. Rosier